

Anti-ARHGEF1 Antibody
Rabbit polyclonal antibody to ARHGEF1
Catalog # AP59769**Specification**

Anti-ARHGEF1 Antibody - Product Information

Application	WB, IP
Primary Accession	O92888
Other Accession	O61210
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102435

Anti-ARHGEF1 Antibody - Additional Information**Gene ID** 9138**Other Names**

Rho guanine nucleotide exchange factor 1; 115 kDa guanine nucleotide exchange factor; p115-RhoGEF; p115RhoGEF; Sub1.5

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ARHGEF1. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)
IP~~N/A

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-ARHGEF1 Antibody - Protein Information**Name** ARHGEF1**Function**

Seems to play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13) subunits (PubMed:9641915, PubMed:9641916). Acts as a GTPase-activating protein (GAP) for GNA12 and GNA13, and as guanine nucleotide exchange factor (GEF) for RhoA GTPase (PubMed:30521495)

target="_blank">30521495, PubMed:8810315, PubMed:9641915, PubMed:9641916). Activated G alpha 13/GNA13 stimulates the RhoGEF activity through interaction with the RGS-like domain (PubMed:9641916). This GEF activity is inhibited by binding to activated GNA12 (PubMed:9641916). Mediates angiotensin-2-induced RhoA activation (PubMed:20098430). In lymphoid follicles, may trigger activation of GNA13 as part of S1PR2-dependent signaling pathway that leads to inhibition of germinal center (GC) B cell growth and migration outside the GC niche.

Cellular Location

Cytoplasm. Membrane. Note=Translocated to the membrane by activated GNA13 or LPA stimulation

Tissue Location

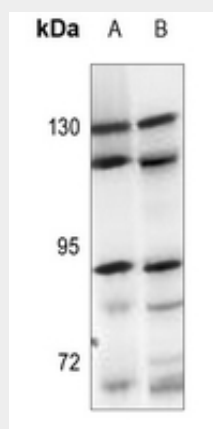
Ubiquitously expressed.

Anti-ARHGEF1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ARHGEF1 Antibody - Images



Western blot analysis of ARHGEF1 expression in HuT78 (A), A549 (B) whole cell lysates.

Anti-ARHGEF1 Antibody - Background

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